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Stracke et al

Application Number

08/249,182

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US005731167A

United States Patent [19]

Stracke et al.

[11] Patent Number: **5,731,167**[45] Date of Patent: **Mar. 24, 1998****[54] AUTOTAXIN: MOTILITY STIMULATING PROTEIN USEFUL IN CANCER DIAGNOSIS AND THERAPY**

[75] Inventors: **Mary Stracke, Rockville; Lance Liotta, Potomac; Elliott Schiffmann, Chevy Chase; Henry Krutzsch, Bethesda, all of Md.; Jun Murata, Toyama, Japan**

[73] Assignee: **The United States of America as represented by the Department of Health and Human Services, Washington, D.C.**

[21] Appl. No.: **346,455**

[22] Filed: **Nov. 28, 1994**

Related U.S. Application Data

[63] Continuation-in-part of Ser. No. 249,182, May 25, 1994, abandoned, which is a continuation-in-part of Ser. No. 822,043, Jan. 17, 1992, Pat. No. 5,449,753.

[51] Int. Cl.⁶ **C12P 21/00**

[52] U.S. Cl. **435/69.1; 536/23.1; 536/23.5**

[58] Field of Search **536/23.1, 23.5; 435/320.1, 252.3, 69.1, 69.7, 91.4**

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[57]

ABSTRACT

The present invention relates, in general, to autotaxin. In particular, the present invention relates to a DNA segment encoding autotaxin; recombinant DNA molecules containing the DNA segment; cells containing the recombinant DNA molecule; a method of producing autotaxin; antibodies to autotaxin; and identification of functional domains in autotaxin.

9 Claims, 15 Drawing Sheets